

Unit One Review

Name: _____

Read the following specifications and draw what is described.

- | | |
|------------------------------------|--|
| 1) Line AB | 6) Coplanar points I, J, K, and L. |
| 2) Point C | 7) Line segment MN |
| 3) Plane X | 8) Ray OP |
| 4) Intersection of lines EF and GH | 9) line ST, draw point U between S and T |
| 5) Collinear points P, Q, and R | 10) Angle VWX |

Define and draw an example of each of the following.

- | | |
|--------------------------|-------------------------|
| 11) Vertical pair | 14) Perpendicular lines |
| 12) Complementary angles | 15) Parallel lines |
| 13) Supplementary angles | 16) Transversal |

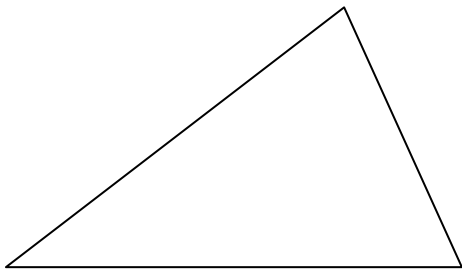
17) Corresponding angles

18) Alternate interior angles

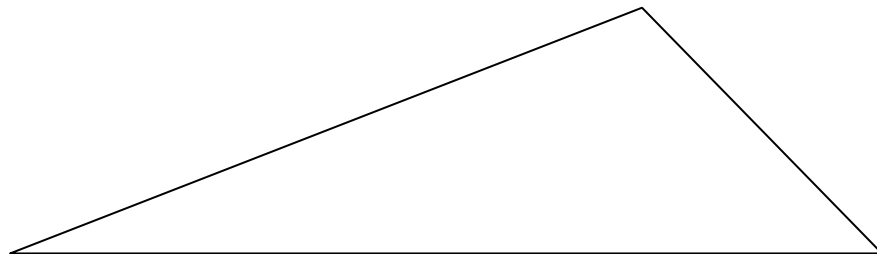
20) Adjacent angles

19) Alternate exterior angles

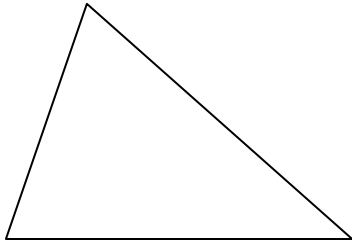
21) Draw all three medians in the triangle below. What is the place where the medians are concurrent called?



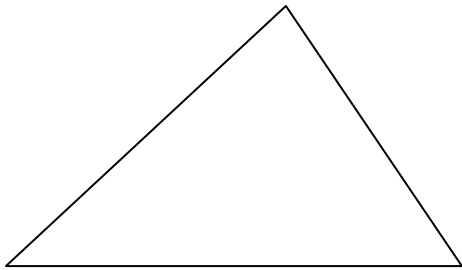
22) Draw all three altitudes in the triangle below. What is the place where the altitudes are concurrent called?



23) Draw all three perpendicular bisectors in the triangle below. What is the place where the perpendicular bisectors are concurrent called?



24) Draw all three angle bisectors in the triangle below. What is the place where the angle bisectors are concurrent called?



Define the following.

25) Scalene triangle

26) Isosceles triangle

27) Equilateral triangle

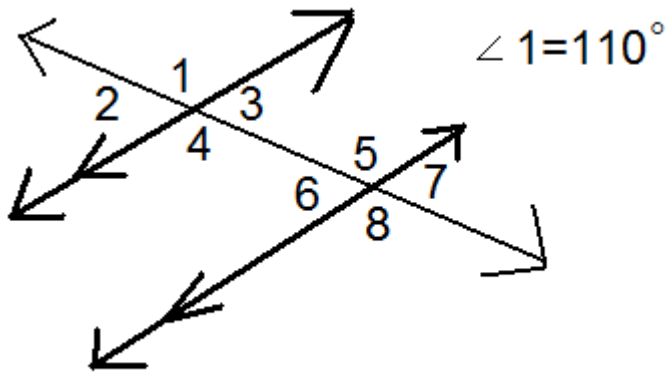
28) Equiangular triangle

29) Right triangle

30) Acute triangle

31) Obtuse triangle

Use the diagram to answer the following questions.



32) What is the measure of $\angle 2$?

33) What is the measure of $\angle 4$?

34) What is the measure of $\angle 5$?

35) $\angle 6$ and $\angle 7$ form what kind of pair?

36) Name the following:

- a. Two pairs of alternate interior angles
- b. Two pairs of alternate exterior angles
- c. Two pairs of corresponding angles